

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: March 14, 2001, 16:12:15 ; Search time 14.09 Seconds  
(without alignments)  
578.602 Million cell updates/sec

Title: US-09-455-486-6  
Perfect score: 2351  
Sequence: 1 MESISMGPKSLSETCLPN.....ALVLPISIVILDLLQLCRPD 454

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/iaa/5A-COMB.pap.\*  
2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pap.\*  
3: /cgn2\_6/ptodata/2/iaa/6-COMB.pap.\*  
4: /cgn2\_6/ptodata/2/iaa/PCTUS-COMB.pap.\*  
5: /cgn2\_6/ptodata/2/iaa/backfiles.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	736	31.3	141	3	US-09-083-521-1
2	107.5	4.6	695	1	US-08-487-886-2
3	107.5	4.6	695	3	US-08-482-855-2
4	99	4.2	531	2	US-08-724-974A-2
5	97.5	4.1	390	3	US-08-460-576-2
6	93	4.0	365	2	US-08-724-974A-3
7	89.5	3.8	495	1	US-07-841-997A-2
8	89.5	3.8	495	1	US-08-290-301-2
9	89.5	3.8	495	2	US-08-588-983-2
10	89.5	3.8	495	2	US-08-588-976-2
11	89.5	3.8	968	3	US-08-651-999A-7
12	89	3.8	1582	2	US-08-404-531B-9
13	89	3.8	1582	3	US-08-476-900A-9
14	89	3.8	1582	3	US-08-488-546A-9
15	88.5	3.8	591	1	US-08-484-840-2
16	88.5	3.8	591	1	US-08-483-094-2
17	87	3.7	467	2	US-08-805-118-3
18	86.5	3.7	699	1	US-08-348-006B-7
19	86.5	3.7	699	2	US-08-800-825A-7
20	85.5	3.6	861	3	US-09-022-875-2
21	85	3.6	1581	2	US-08-404-531B-6
22	85	3.6	1581	3	US-08-476-900A-6
23	84.5	3.6	1581	3	US-08-488-546A-6
24	84.5	3.6	550	1	US-08-121-057-4
25	84.5	3.6	550	2	US-08-509-187D-4
26	84.5	3.6	550	2	US-09-121-396-4
27	84.5	3.6	550	4	PCT-US93-09704A-4
28	84	3.6	323	2	US-08-580-545B-2

29 84 3.6 323 3 US-09-262-653A-2 Sequence 2, Appli  
30 84 3.6 480 2 US-08-724-994A-9 Sequence 9, Appli  
31 82.5 3.5 339 3 US-08-968-563-14 Sequence 14, Appli  
32 82.5 3.5 339 3 US-08-969-683A-14 Sequence 14, Appli  
33 81 3.4 523 2 US-08-473-553A-3 Sequence 3, Appli  
34 81 3.4 980 2 US-08-473-553A-6 Sequence 6, Appli  
35 81 3.4 985 2 US-08-473-553A-2 Sequence 2, Appli  
36 80.5 3.4 214 1 US-08-318-492-4 Sequence 4, Appli  
37 80.5 3.4 214 1 US-08-707-340-4 Sequence 4, Appli  
38 80.5 3.4 214 2 US-08-916-902A-3 Sequence 3, Appli  
39 80.5 3.4 214 2 US-08-994-578-4 Sequence 3, Appli  
40 80.5 3.4 214 2 US-09-213-389-3 Sequence 20, Appli  
41 80 3.4 360 3 US-08-875-573-20 Sequence 3, Appli  
42 79.5 3.4 354 1 US-07-759-568-2 Sequence 2, Appli  
43 79.5 3.4 920 3 US-08-930-996A-8 Sequence 8, Appli  
44 79.5 3.4 2366 1 US-08-480-604A-10 Sequence 10, Appli  
45 79.5 3.4 2366 2 US-08-405-496A-10 Sequence 10, Appli

ALIGNMENTS

RESULT 1  
US-09-083-521-1  
; Sequence 1, Application US/09083521  
; Patent No. 6048970  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti  
; APPLICANT: Guegler, Karl J.  
; APPLICANT: Corley, Neil C.  
; TITLE OF INVENTION: PROSTATE GROWTH-ASSOCIATED MEMBRANE PROTEINS  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/083,521  
; FILING DATE: Herewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CERRONE, MICHAEL C.  
; REGISTRATION NUMBER: 39,132  
; REFERENCE/DOCKET NUMBER: PF-0527 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 141 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: PROSTUT10  
; CLONE: 1691243  
US-09-083-521-1

102(e) = 05/22/98

Query Match 31.3%; Score 736; DB 3; Length 141;  
Best Local Similarity 100.0%; Pred. No. 5.9e-70;  
Matches 141; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 314 MVHVAYSICLPMRRERYFLNWAYQOVHANTENSWNEEVWRIENWISFGTMSGLLSL 373  
|||||



Db 361 GYNILRVLIWFIISILAITGNIIVILVILTSQYKLTVP-----RFLMCMNLAFAAD----- 408

Qy 348 SWNEEEVWRIEMYSFGIMSLGLLSLAVTSIPSVSNALMRE-----FSFIQSTL 398

Db 409 -----LCIGIYLLIASVDIHTKSQYHNYAIDMQTGAGCDAAAGFTVFASEL 455

Qy 399 G---YVALLISTFH-----VLIYQWKAFAFEEYRYFTPPNFV-LA 435

Db 456 SVYLTALTTLRWHITTHAMQMDCKVQLRHAASVVMGWIFAFAAALPFIIGISSYMKVS 515

Qy 436 IVLPSIVILDLQL 449

Db 516 ICLPMDIDSPSQL 529

RESULT 3

US-08-482-855-2

Sequence 2, Application US/08482855

Patent No. 6121016

GENERAL INFORMATION:

APPLICANT: Kelton, Christie Ann

APPLICANT: Schweickhardt, Rene Lynn

APPLICANT: Cheng, Shirley Vui Yen

APPLICANT: Nugent, No. 6121016een Patrice

TITLE OF INVENTION: Human Follicle Stimulating

TITLE OF INVENTION: Hormone Receptor

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: Stephan P. Williams,

ADDRESSEE: Ares-Serono, Inc.

STREET: Exchange Place, 37th floor

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" diskette, 1.44 MB, high density

COMPUTER: IBM PS/2, model 55 SX

OPERATING SYSTEM: MS-DOS version 4.0

SOFTWARE: VAX/VMS Massll via Kermit to IBM MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482.855

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/670.085

FILING DATE: 15-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Stephan P.

REGISTRATION NUMBER: 28546

REFERENCE/DOCKET NUMBER: US/252

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 723-1300

TELEFAX: (617) 723-8923

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 695

TYPE: Amino acid

TOPOLOGY: Linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: signal sequence

LOCATION: -17 to -1

IDENTIFICATION METHOD: hydrophobic

FEATURE:

NAME/KEY: putative amino-terminal extracellular domain

LOCATION: 1 to 349

IDENTIFICATION METHOD: similarity with other

IDENTIFICATION METHOD: dimeric glycoprotein receptor extracellular

IDENTIFICATION METHOD: domains, hydrophilic

FEATURE:

NAME/KEY: transmembrane domain

LOCATION: 350 to 613

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane domains

FEATURE:

NAME/KEY: putative transmembrane region I

LOCATION: 350 to 370

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region II

LOCATION: 382 to 404

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region III

LOCATION: 427 to 448

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region IV

LOCATION: 469 to 491

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region V

LOCATION: 512 to 533

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region VI

LOCATION: 557 to 580

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative transmembrane region VII

LOCATION: 592 to 613

IDENTIFICATION METHOD: similarity to other G

IDENTIFICATION METHOD: protein-coupled receptor transmembrane regions,

IDENTIFICATION METHOD: hydrophobic, about 20-23 amino acids in length

FEATURE:

NAME/KEY: putative carboxy-terminal intracellular

NAME/KEY: domain

LOCATION: 614 to 678

US-08-482-855-2

Query Match 4.6%; Score 107.5; DB 3; Length 695;

Best Local Similarity 17.0%; Pred. No: 0.011;

Matches 84; Conservative 77; Mismatches 148; Indels 185; Gaps 17;

Qy 79 HEDALTKTNIIFVATHREHYTSLWDLRHLLVG-----KILIDVSNMR 121

Db 98 HEIRIEKANNL-LYINPEAFQNLPLNQLVLLISNTGKIKLPDVHKIHSKQVLLDQDNIN 156

Qy 122 INQYPESNAEYLASLFPDLSLVKGFNVYSAWALQGPDKASROVYICSNNICARQOVIEL 181

Db 157 IH-----TIERNFSVGLSFESVILWL-----NKGIOEIHNC----- 189

Qy 182 ARQLNFIPIDLGSLSSAREIENLPLRFTLWRGPPVVAISLATFFTSFVRDVIHPYAR 241

Db 190 ---FNGTQDLELNLDNNNLELPNDVHFGACGPVLLDISRTRIHSLPSYGLNKKLRA 246

Qy 242 NQOSDFYKIPIEIVNKTLP-PIVAITLLSLVY----- 271

Db 247 RSTYNLKKLP-----TLEKLVALMEASLTYPSCAFANRRRQISLHPICNKSILRQE 300

Qy 272 -----LAGLLAAAYQLYIGTKYRRF-----PPWLETWLCRQQL 305

Db 301 VDMYQTRGQRSSLAEDNESSYRGFDMYTFEFDYDLCNEVVDVTCSPKDPDFNCPEDIM 360  
Qy 306 G-----LISFFFAVHVA-----YSLCLPMRRSRYLEFLNMAVQOVHANEN 347  
Db 361 GYNILRVLIWISILATGNIIVILVILTTSOYKLTVP-----RFLMCNLAFA----- 408  
Qy 348 SWNEEVNWRIBMYISFGIMSLGLSLAVTSIPSVSNALNWR-----FSGIOSTL 398  
Db 409 -----LCIGIYLLLIASVDHTKSOYHNVAIDMQTCAGCDAAGFFVFASEL 455  
Qy 399 G---YVALLISTFH-----VLIIGWKRAPEEYRYFTYPPNFV-LA 435  
Db 456 SVYTLTAITLERWHITITHAMQDCKVOLRHAASVYMWGFAFAAALFPFGISSYMKVS 515  
Qy 436 LVLPSIVILDLQL 449  
Db 516 ICLPMDIDSPSQL 529

RESULT 4  
US-08-724-974A-2  
; Sequence 2, Application US/08724974A  
; Patent No. 5912335  
; GENERAL INFORMATION:  
; APPLICANT: Derk J. Bergsma, Catherine E. Ellis  
; TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor  
; TITLE OF INVENTION: HUVCT36  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corporation  
; STREET: 709 Swedeland Road, P.O. Box 1539  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM 486  
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,974A  
; FILING DATE: October 3, 1996  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: William T. Han  
; REGISTRATION NUMBER: 34,344  
; REFERENCE/DOCKET NUMBER: ATGS0022  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610 270 5024  
; TELEFAX: 610 270 5090  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 531  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
US-08-724-974A-2

Query Match 4.2%; Score 99; DB 2; Length 531;  
Best Local Similarity 22.6%; Pred. No. 0.059;  
Matches 48; Conservative 37; Mismatches 75; Indels 52; Gaps 9;  
Qy 255 VNKTL-PIVAITLISLVYLAGLAAAYQLYGYRPPWLEWLCROQLGLLSFFFA 313  
Db 132 IHQTLAPVYVTVL-----VVGFPANCLSLYFG-----YLG--IKARNELGYLCNL 177  
Qy 314 MVHVAISLCLPMRRSRYLEFLNMAVQOVHANENSWNEEWRTEVYSFGIMSLGLSL 373  
Db 178 VADLFYICSLPFW-----LQYVLQHDNWSHGDLSQVCGLLIYENIYI-SVGFLCC 227

Qy 374 LAVTSPISVSNALNWRREFSTQSTGLGYVA-----LLISTF----- 408  
Db 228 ISVDRYLAHAVPFPHOFRTLKAAGVSVVIMWAKELTSTIYFLMHEEVEDENQHRVCPE 287  
Qy 409 HVLIYGWKRAPEEYRYFTYPPNFVLAIVLPS 440  
Db 288 HYIQAMQRAI--NYRFLVGLFPPICLLAS 317

RESULT 5  
US-08-460-576-2  
; Sequence 2, Application us/08460576  
; Patent No. 6033903  
; GENERAL INFORMATION:  
; APPLICANT: SISK, William P.  
; TITLE OF INVENTION: A METHOD OF EXPRESSING AND SECRETING  
; TITLE OF INVENTION: SOLUBLE EXTRACELLULAR DOMAINS OF HUMAN GONADOTROPIN  
; TITLE OF INVENTION: HORMONE RECEPTORS  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/460,576  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: YUN, Allen C.  
; REGISTRATION NUMBER: 37,971  
; REFERENCE/DOCKET NUMBER: SISK#1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; TELEX: 248633  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 390 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-460-576-2

Query Match 4.1%; Score 97.5; DB 3; Length 390;  
Best Local Similarity 21.3%; Pred. No. 0.053;  
Matches 45; Conservative 39; Mismatches 72; Indels 55; Gaps 7;  
Qy 79 HEDALTKTNIIFVAIHREHYTSLWDLRLHLLVG-----KILIDVSNMR 121  
Db 122 HEIRKANNL-LYINPEAFQNLPLQYLLISNTGKHLDPVHKIHSKQLVLDIQDNIN 180  
Qy 122 INOYPSNAEYLASLPDLSLVKGFNVVSAWALQGLPKDASRQVYICSNNIQARQVIEL 181  
Db 181 IH-----TIERNSEVGLSFESVILWL-----NKNIGQIEHNCA----- 213  
Qy 182 ARQLNFTPIDGLSSLSARETENPLRLFTLWRGVPVVAISLATFEFFLYSFVROVHPYAR 241  
Db 214 ---FNGQLDELNLNNDNNLELPNDVFHGASGVILDISRTHSLPSYGLNKKLRA 270  
Qy 242 NQOSDFYKIPETVKNKL-PIVAITLISLVY 271  
Db 271 RSTYNLKLKP-----TLEKIVALMEASLT 295

RESULT 6  
US-08-724-974A-3  
; Sequence 3, Application US/08724974A  
; Patent No. 5912335  
; GENERAL INFORMATION:  
; APPLICANT: Derek J. Bergsma, Catherine E. Ellis  
; TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor  
; TITLE OF INVENTION: HUVCT36  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Smithkline Beecham Corporation  
; STREET: 709 Swedeland Road, P.O. Box 1539  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM 486  
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,974A  
; FILING DATE: October 3, 1996  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: William T. Han  
; REGISTRATION NUMBER: 34,344  
; REFERENCE/DOCKET NUMBER: ATG50022  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610 270 5024  
; TELEFAX: 610 270 5090  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 365  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
US-08-724-974A-3  
  
Query Match 4.0%; Score 93; DB 2; Length 365;  
Best Local Similarity 22.2%; Pred. No. 0.14;  
Matches 47; Conservative 37; Mismatches 76; Indels 52; Gaps 9;  
  
QY 255 VNKTL-PIVAITLLSLVLAGLLAAAYQLYGTYKTYRPPWLETLQCRKQLGLLSFFFA 313  
Db 19 IHQTLAPVYVTVL-----VVGPPANCLSLYFG-----YIQ--IKARNELGVYLCNLT 64  
  
QY 314 MVHVAYSLCPMRSSERYLFLNMAVQQVHANTENSWNEEEVWRIEMYISFGIMSLGLLSL 373  
Db 65 VADLYICSLPW-----LQVLOHDMWSHGLSCQVCGILLYNIYI-SVGFLCC 114  
  
QY 374 LAVTSIPSYNALNREFSFIQSTLYGA-----LLISTF----- 408  
Db 115 ISVDRLAVAHFPHQFRTLKAARVTVVIWAKELLTSIYFLMHEEVIEDENQHRVCFE 174  
  
QY 409 HVLYIGWKRAREEYRYFTPPNFVALVLP 440  
Db 175 HPIQAWQRAI--NYRFLVGLFPLICLLAS 204  
  
RESULT 7  
US-07-841-997A-2  
; Sequence 2, Application US/07841997A  
; Patent No. 5422254  
; GENERAL INFORMATION:  
; APPLICANT: Londerborough, John  
; APPLICANT: Vuorio, Outi  
; TITLE OF INVENTION: A method to increase the trehalose content

; TITLE OF INVENTION: of organisms by transforming them with the  
; TITLE OF INVENTION: structural genes for the short and long chains  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Alko Ltd.  
; STREET: PO Box 350  
; CITY: Helsinki  
; STATE:  
; COUNTRY: Finland  
; ZIP: SF-00101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 720 kb  
; COMPUTER: IBM PC/XT/AT  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: WP5.1 file exported as DOS text file  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/841,997A  
; FILING DATE: 19920228  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/836,021  
; FILING DATE: February 14, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mary E. Gormley  
; REGISTRATION NUMBER: 34409  
; REFERENCE/DOCKET NUMBER: 920085A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)659-2930  
; TELEFAX: (202)887-0357  
; TELEX: 440142  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 495 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: Polypeptide  
; HYPOTHETICAL: Yes  
US-07-841-997A-2

Query Match 3.8%; Score 89.5; DB 1; Length 495;  
Best Local Similarity 17.8%; Pred. No. 0.53;  
Matches 83; Conservative 53; Mismatches 145; Indels 185; Gaps 20;  
  
QY 80 EDALTKTNIIFVAIHRE-----HYTS-----LWDLRHLVGKILIDVSNMNRINOYPESNA 130  
Db 80 KDLLEKFNAPFISDEADLHYNGFSNLSILWPLFHYHPGEINFD--ENAWFG-YNEANQ 136  
  
QY 131 -----EYLASLFPDLSLVKGF-----NVVSAMALQLPKPDASROY 166  
Db 137 TPTNEIAKTMNHNDLIWHDYHMLVPEMLRVKIHKEQLQNVKVGWFLH--TPFPSEIY 194  
  
QY 167 ICSNNIOARQOVIE-----LARQNF----- 187  
Db 195 ----RILPVRQETLKGVLSOCLVGFHTDYARHFLSSVQVRLNVNTPNGVEYQGRFVNVG 251  
  
QY 188 ----IPDLGSLSSARE-----IENLPRLFTL----- 211  
Db 252 APPIGLVDVKFTDGLKKESQVQRIOQLKFTKGCKIIVGCDRLDYKGVQPKLHAMEVEL 311  
  
QY 212 -----WRGPVW---VAISLATEFFLYSFVRDVIHPYARNOQSDFYK---IPIEIVNKTLP 260  
Db 312 NEHPWRGKVLVQVAVPSRGDVEEYQLRSVVVNLVGRINGQFGVFPVPIHFHMKSP 371  
  
QY 261 IVAITLLSLVLAGLLAAAYQLYGTYKTYRFPFPLETLWLCRKLGLLSFFFAHVHVS 320  
Db 372 FEELISLAVSDVCLVST-----RDGMNLVSY-----EYI 402  
  
QY 321 LCLPMRRSERYL--FLNMAVQQVHANIENSWNEEEVWRIEMYISFGIMSLGLLSLAVTS 378  
Db 403 ACQEEKKGLLSLSEFTGAQAQSLNGALIVNPWNTDOLSD-----AINEALT 447

Qy 379 IPSVSNALNWRFSFIQSTGLYVALLSTFHVLYGWKRAFEY 424  
 Db 448 LPDVKKEVNW-----EKLYKIISKYTSAF-----WGENFVHELY 481

RESULT 8  
 US-08-290-301-2  
 ; Sequence 2, Application US/08290301  
 ; Patent No. 5792921  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Londresborough, John  
 ; APPLICANT: Tunnella, Outi  
 ; APPLICANT: Palva, Tupio  
 ; APPLICANT: Holmstrom, Kjell-Ove  
 ; APPLICANT: Welin, Bjorn  
 ; APPLICANT: Mandel, Abul  
 ; TITLE OF INVENTION: Increasing the trehalose content  
 ; TITLE OF INVENTION: of organisms by transforming them with combinations of  
 ; TITLE OF INVENTION: the structural genes for trehalose synthase.  
 ; NUMBER OF SEQUENCES: 85  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Alko Ltd.  
 ; STREET: PO Box 350  
 ; CITY: Helsinki  
 ; STATE: -  
 ; COUNTRY: Finland  
 ; ZIP: SF-00101  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.5 inch, 720 Kb  
 ; COMPUTER: IBM PC/XT/AT  
 ; OPERATING SYSTEM: PC-DOS  
 ; SOFTWARE: WP5.1 file exported as DOS text file  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/290,301  
 ; FILING DATE: 15 August 1994  
 ; CLASSIFICATION: 424  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: FI 943133  
 ; FILING DATE: 29 June 1994  
 ; APPLICATION NUMBER: PCT/FI93/00049  
 ; FILING DATE: 15 February 1993  
 ; APPLICATION NUMBER: 07/841,997  
 ; FILING DATE: 28 February 1992  
 ; APPLICATION NUMBER: 07/836,021  
 ; FILING DATE: 14 February 1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Kubovcik, Ronald J.  
 ; NAME: Lydon, James C.  
 ; REGISTRATION NUMBER: 25,401  
 ; REGISTRATION NUMBER: 30,082  
 ; REFERENCE/DOCKET NUMBER: LAIN-001  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (202) 467-6300  
 ; TELEFAX: (202) 466-2006  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 495 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: Polypeptide  
 ; HYPOTHEICAL: Yes  
 ; US-08-290-301-2.

Query Match 3.88; Score 89.5; DB 1; Length 495;  
 Best Local Similarity 17.88; Pred. No. 0.53;  
 Matches 83; Conservative 53; Mismatches 145; Indels 185; Gaps 20;

Qy 80 EDALTKNIIFVAIHRE-----HYTS-----LWDLRHLLVGKILIDVSNMNRINQYPSNA 130  
 Db 80 KDLLEKNVAFIFSLDELADLHYNGFSNLIWPLFHHVHPGEINFD--ENAWFG-YNEANQ 136  
 Qy 131 -----EYLASLFDPDSLIVKGF-----NVVSAWALQLGPKDASQVY 166

Db 137 TFTNEIAKTMNHNDLIWWHDYHMLVPEMLRVKTIHERKQLQNVKVGWFLH--TPPPSEIY 194  
 Qy 167 ICSNNICARQOVIE-----LAROINE----- 187  
 Db 195 ---RILPVRQEIILKGVLSCDLVGFHTYDYARHFLSSVQVRLNVNTPNGVVEYQGRFVNVG 251  
 Qy 188 ---IPIDLGLSSARE-----IENPLRLFTL----- 211  
 Db 252 APGIGIDVDFKTDGLKKESQVKRIQOLKEFKCKKIIIVGVDRDLYIKGVQPKLHAMEVFL 311  
 Qy 212 -----WRGPVY---VAISLATFFFLYSFVRDVIHPYARNOOSDYK---IPIETVNTLP 260  
 Db 312 NEHPWGRGVVLVQVAVPSRGDVEEYQYLRVSVNVELVGRINGQGFVEFVPIHFHMKSI 371  
 Qy 261 IVAITLLSLVYLAGLLAAAYQLYYGTKYRRFPWLETWLOCRKOLGLLSFFEFAMVHVAYS 320  
 Db 372 FEELISYAVSDVCLVST-----ROGMNLVSY-----EYI 402  
 Qy 321 LCLPMRRSERYL--FLNMAYQQVHANIENSWNEEYVRIEYISFGIMSLGLLSLAVTS 378  
 Db 403 ACQEEKKGLILSEFTGAOSLNCALIVNPNWTDLSD-----AINEALT 447  
 Qy 379 IPSVSNALNWRFSFIQSTGLYVALLSTFHVLYGWKRAFEY 424  
 Db 448 LPDVKKEVNW-----EKLYKIISKYTSAF-----WGENFVHELY 481

RESULT 9  
 US-08-588-983-2  
 ; Sequence 2, Application US/08588983  
 ; Patent No. 5854067  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Christopher B. Newgard, et al.  
 ; TITLE OF INVENTION: Methods and Compositions  
 ; TITLE OF INVENTION: for Inhibiting Hexokinase  
 ; NUMBER OF SEQUENCES: 43  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold, White & Durkee  
 ; STREET: P.O. Box 4433  
 ; CITY: Houston  
 ; STATE: TX  
 ; COUNTRY: US  
 ; ZIP: 77210  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/588,983  
 ; FILING DATE: Concurrently herewith  
 ; CLASSIFICATION: 424  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Fussey, Shelley P.M.  
 ; REGISTRATION NUMBER: 39,458  
 ; REFERENCE/DOCKET NUMBER: UTSD:424/FUS  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (512) 418-3000  
 ; TELEFAX: (512) 474-7577  
 ; TELEX: n/a  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 495 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; US-08-588-983-2

Query Match 3.88; Score 89.5; DB 2; Length 495;  
 Best Local Similarity 17.88; Pred. No. 0.53;  
 Matches 83; Conservative 53; Mismatches 145; Indels 185; Gaps 20;

Qy 80 EDALTAKTNIIVAHIRE-----HYTS-----LWDLRHLVLGKILIDVSNMNRINQYPSNA 130  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 80 KDLLEKFNAPFIPLSDEIADLHYNGFSNSILWPLFHYHPGEINFED--ENAWFG-YNEANQ 136  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 131 -----EYLASLFPDLSLVKGF-----NVVSAWALQOLGPKDASROY 166  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 137 TFTNEIAKTMHNDLIWVHDYHLMLVPEMLRVKTHEKOLQNVKVGWFLH--TPPSSSEIY 194  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 167 ICSNNIARQOOVIE-----LARQLNF----- 187  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 195 ---RLPVRQELKGVLSCLVGFHTYDYARHFLSSVQVRLNVNTLPNGVEYQGRFVNVG 251  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 188 ---IPIDLGSSSARE-----IENPLRLFTL----- 211  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 252 APFIGIDVDFKFTDGLKKBESQVKRIQOLKETFGKGIIVGVDRLDYIKGVPOKLHAMEVFL 311  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 212 ---WRGPVV---VAISLATFEFLYSFVRDVIHPYARNOQSDFYK---IPIEIVNKTLP 260  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 312 NEHPWRGKVVLVQVAVPSRGDVEEYQYLSRVVNLVGRINGQFGTVFVPIHFHMKSIIP 371  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 261 IVAITLLSLVLAGLILAAAYQLYGTYKTYRRPPPWLETLWQCRKQLGLLSFFFAMVHVAYS 320  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 372 FEELISLVAVSDVCLVST-----RDGMNLVSY-----EYI 402  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 321 LCLPMRRSERVL--FLNWAYOOVHANIENTSNEEVEWRIEMYISFGIMSLGLLSLLAVTS 378  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 403 ACQEEKKGLSLISEFTGAQSLNGAIIIVNPWNTDLSL-----AINEALT 447  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 379 IPSVSNALNWRFEFSIOSTGLGVALLISTFHVLIYGVKRAPEEY 424  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 448 LPDVKKEVNW-----EKLYKIISKYTSAF-----WGENFVHELY 481  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |

## RESULT 10

US-08-588-976-2  
; Sequence 2, Application US/08588976  
; Patent No. 5891717  
; GENERAL INFORMATION:  
; APPLICANT: Christopher B. Newgard, et al.  
; TITLE OF INVENTION: Methods and Compositions for  
; TITLE OF INVENTION: Inhibiting Hexokinase  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: TX  
; COUNTRY: US  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/588,976  
; FILING DATE: Concurrently herewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fussey, Shelley P.M.  
; REGISTRATION NUMBER: 39,458  
; REFERENCE/DOCKET NUMBER: UTSD:481/FUS  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (512) 474-7577  
; TELEX: n/a  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 495 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

## US-08-588-976-2

Query Match 3.8%; Score 89.5; DB 2; Length 495;  
Best Local Similarity 17.8%; Pred. No. 0.53;  
Matches 83; Conservative 53; Mismatches 145; Indels 185; Gaps 20;

Qy 80 EDALTAKTNIIVAHIRE-----HYTS-----LWDLRHLVLGKILIDVSNMNRINQYPSNA 130  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 80 KDLLEKFNAPFIPLSDEIADLHYNGFSNSILWPLFHYHPGEINFED--ENAWFG-YNEANQ 136  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 131 -----EYLASLFPDLSLVKGF-----NVVSAWALQOLGPKDASROY 166  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 137 TFTNEIAKTMHNDLIWVHDYHLMLVPEMLRVKTHEKOLQNVKVGWFLH--TPPSSSEIY 194  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 167 ICSNNIARQOOVIE-----LARQLNF----- 187  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 195 ---RLPVRQELKGVLSCLVGFHTYDYARHFLSSVQVRLNVNTLPNGVEYQGRFVNVG 251  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 188 ---IPIDLGSSSARE-----IENPLRLFTL----- 211  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 252 APFIGIDVDFKFTDGLKKBESQVKRIQOLKETFGKGIIVGVDRLDYIKGVPOKLHAMEVFL 311  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 212 ---WRGPVV---VAISLATFEFLYSFVRDVIHPYARNOQSDFYK---IPIEIVNKTLP 260  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 312 NEHPWRGKVVLVQVAVPSRGDVEEYQYLSRVVNLVGRINGQFGTVFVPIHFHMKSIIP 371  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 261 IVAITLLSLVLAGLILAAAYQLYGTYKTYRRPPPWLETLWQCRKQLGLLSFFFAMVHVAYS 320  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 372 FEELISLVAVSDVCLVST-----RDGMNLVSY-----EYI 402  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 321 LCLPMRRSERVL--FLNWAYOOVHANIENTSNEEVEWRIEMYISFGIMSLGLLSLLAVTS 378  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 403 ACQEEKKGLSLISEFTGAQSLNGAIIIVNPWNTDLSL-----AINEALT 447  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Qy 379 IPSVSNALNWRFEFSIOSTGLGVALLISTFHVLIYGVKRAPEEY 424  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |  
Db 448 LPDVKKEVNW-----EKLYKIISKYTSAF-----WGENFVHELY 481  
:| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | | :| | | |

## RESULT 11

US-08-651-999A-7  
; Sequence 7, Application US/08651999A  
; Patent No. 6031088  
; GENERAL INFORMATION:  
; APPLICANT: Stefan Somlo and Toshio Mochizuki  
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE PKD2 GENE  
; TITLE OF INVENTION: AND USES THEREOF  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN  
; STREET: 90 PARK AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: U.S.A.  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH 1.44 MB STORAGE  
; MEDIUM TYPE: DISKETTE  
; COMPUTER: IBM PC COMPATIBLE  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/651,999A  
; FILING DATE: MAY 23, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ELIZABETH A. BOGOSIAN  
; REGISTRATION NUMBER: 39,911  
; REFERENCE/DOCKET NUMBER: 96700/395  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 697-5995  
; TELEFAX: (212) 286-0854 or 286-0082  
; TELEX: TWX 710-581-4766

; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 968 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; DESCRIPTION: NO  
; HYPOTHETICAL: NO  
US-08-651-999A-7

Query Match 3.88; Score 89.5; DB 3; Length 968;  
Best Local Similarity 19.68; Pred. No. 1.5;  
Matches 60; Conservative 44; Mismatches 117; Indels 85; Gaps 12;  
QY 32 TVGVIGSGDFAKSLTIRLCGYHVIVGSRNPKFASEFFPHVDVTHHEDALTKNIIFV 91  
Db 448 TGGVIPSQFQPLKIRVTT-DFFLAACETIIFCFIFIVVE-----EILEI 495  
QY 92 AIHREHY-TSLWDLRHLLVGLKIDVNNMRINOYPESNAEYLASLPDLSLVKGFNWS 150  
Db 496 RIKHLHYFRSFNCLDVI--VVLVV-AICINIRTSNVEVLQFLQEDQNTFFNFEHLA 552  
QY 151 AWALQGPCKDASROYVTCSSNNIARQVIELARQLNIPID--LGSLS-----AREIEN 203  
Db 553 YWQIQF-----NNIAAVTVFFVMVWIKLFKFTNFNRTMSQLSTTMSRCAKDLFG 599  
QY 204 LPLRLFTLWRCPVVVAISLATFFFL-----YSFVRDVIHPYARNOQSDFYKIPIEIV 255  
Db 600 FAIMFF-----IFLAYAQLAYLVFGTVQDDFSTFOECIFTOFRILGDINFAEIEEA 652  
QY 256 NKTL-PIVATLLSLVLAGLLAAAYQLYXGTYKRYRPPWLETWLCKRQKQLGLSPFFAM 314  
Db 653 NRVLGPIYFTFFVFFMFI-----LLNMELAI 679  
QY 315 VHWAYS 320  
Db 680 INDYIS 685

RESULT 12  
US-08-404-531B-9  
; Sequence 9, Application US/08404531B  
; Patent No. 5863724  
; GENERAL INFORMATION:  
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela  
; APPLICANT: Thomas, Gilbert Cote, and Robert Gagel  
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonyleurea Receptor  
; Patent No. 5863724  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 5863724ris  
; STREET: One Liberty Place 46th. Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/404,531B  
; FILING DATE: 15-MAR-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Beardell, Lori Y.  
; REGISTRATION NUMBER: 34,293  
; REFERENCE/DOCKET NUMBER: BYLR-0003  
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1582 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-404-531B-9  
Query Match 3.88; Score 89; DB 2; Length 1582;  
Best Local Similarity 20.7%; Pred. No. 3.6;  
Matches 82; Conservative 55; Mismatches 119; Indels 140; Gaps 18;  
QY 124 QYPESNAEYLASLPDLSLVKGFNVV-----SAW---ALQLGPK-----DASRQ 164  
Db 1003 KYLSAGILLLSLVFSQLKHMVLAIDYWLAKWTOSALVSPAARNCSLSQCDLQDS 1062  
QY 165 VY-----ICS-----NNIARQVIELARQLNIPIDLGLSSAREIENLPLRLFT 210  
Db 1063 VYAMVFTLLCSGLGIVLCVTSVTVEWTGLKAKRLHSLNRIILAPMRFFETPL---- 1118  
QY 211 LWRGPVVVAISLATFFFLYSEVRDVIHPYARNOQSDYKIP--IEIVNKT--LPIVAITL 266  
Db 1119 -----GSLNRFSSDCNTIDQHIPPSTLECLSRSTLLCVSALT 1156  
QY 267 LSL---VYLAGLLAAAYQLYXGTYKRYRPPWLETWLCKRQKQLGLSPFFAMVHVAYSICL 323  
Db 1157 ISYVTPFVLLPLVAVCYFIQYFRVSRDLOOLDTDTOLPLVSHFAETVEGLTTI-- 1214  
QY 324 PMRSERY-----LFLNMAVQVH-----ANIENS 348  
Db 1215 ---RAPRYEARFOOKLLEYTDSNNIASLFLTAANRWLEVCMEYIGACVVLIAAATSISN 1271  
QY 349 WNEEWRIRIEMYSFGMSIGLSLLAVTSIPSVSNALNM--REFSFIQSTLGVVALLIS 406  
Db 1272 LHRE-----LSAGLVGLGLTYAL-----MYSNTLYNMVRNLADMEIQLG-----AVK 1313  
QY 407 TEHVLIYGWKRAFEERYRYTPNFVLAIVLPSIV 442  
Db 1314 RIHALL-----KTEESYE-----GLLAPSLI 1335

RESULT 13  
US-08-476-900A-9  
; Sequence 9, Application US/08476900A  
; Patent No. 6031150  
; GENERAL INFORMATION:  
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson  
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonyleurea Receptor  
; Patent No. 6031150  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 6031150ris  
; STREET: One Liberty Place 46th. Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/476,900A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:



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Db 1272 LHRE-----LSAGVLGLTYAL-----MVSNYLNWVRNLADMEIQLG-----AVK 1313
QY 407 TFWLVLGYWKRAFEERYRFFYPPNFVLALVLPSPV 442
Db 1314 RIHAL-----KTEAESYE-----GLLAPSLI 1335

RESULT 15
US-08-484-840-2
: Sequence 2, Application US/08484840
: Patent No. 5716788
: GENERAL INFORMATION:
: APPLICANT: MOSCOW, Jeffrey A.
: APPLICANT: COWAN, Kenneth H.
: APPLICANT: DIXON, Kathy
: APPLICANT: HE, Rui
: TITLE OF INVENTION: A GENE ENCODING A HUMAN REDUCED FOLATE
: TITLE OF INVENTION: CARRIER (RFC) AND METHODS FOR THE TREATMENT OF
: TITLE OF INVENTION: METHOTREXATE-RESISTANT, TRANSPORT-DEFICIENT CANCER
: NUMBER OF SEQUENCES: 6
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Foley & Lardner
: STREET: 3000 K Street, N.W., Suite 500
: CITY: Washington
: STATE: D.C.

```

. COUNTRY: USA  
ZIP: 20007-5109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,840  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 40399/324/NIHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)672-5300  
TELEFAX: (202)672-5399  
TELEX: 904136  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 591 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-484-840-2

Query Match 3.8%; Score 88.5; DB 1; Length 591;  
Best Local Similarity 20.8%; Pred. No. 0.89; 75; Indels 91; Gaps 13;  
Matches 52; Conservative 34; Mismatches 75; Indels 91; Gaps 13;  
QY 188 IPIDGLSLSSAREIENLPRLFTLWRGPVVVAISLATFFFLYSFVRDV-----IHPYAR 241  
Db 12 VPVEPGDPPELRS-----WR-----RLVCYLCFYGFMAQIRPGESFITPYLL 53  
QY 242 NQSDFYKIPIEIVNKTLPVATLLSLVYLAGLLAAAYOLYGYTKYRPP----- 293  
Db 54 GPKNETR--DEVTNETPV-----LSYSYLAIVL-----PVFLITDYLYRTPVLLQLLS 102  
QY 294 WLETWL-----QCRKOLGILLSFFAMVHVA-----YSICLPMRRSERYLFNMAVQO 340  
Db 103 FSVWLLLLGHSHVAHQMLMELFYSVTMAARIAYSSVIFSLVRP-----YQR 151  
QY 341 VHANIENSMNEEVWRTEMYSFGIMSLGLSLAVTSIPSVSNALNWRFSFIQTSLGY 400  
Db 152 VAGYSRAA-----VLLGVFTSSVLGQLLVT-VGRVS-----FSTLNY 187  
QY 401 VALLISTFHVLI 412  
Db 188 ISLAFLTFSVVL 199

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